

DFW

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/764,345
Filing Date	1/23/2004
First Named Inventor	Tie Liu
Group Art Unit	
Examiner Name	
Attorney Docket Number	MS1.1811US

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Certified Copy of Priority Documents	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (<i>please identify below</i>): Form 1449, 10 References
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> CD, Number of CD(s)	
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Kasey C. Christie/Reg. No. 40559
Signature	
Date	9-2-05

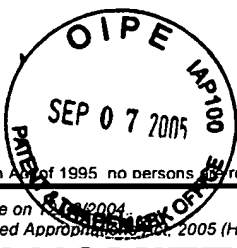
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Cheryl Boies		
Signature		Date	9-2-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 9/23/2004 Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

Complete if Known

Application Number	10/764,345
Filing Date	1/23/2004
First Named Inventor	Tie Liu
Examiner Name	
Art Unit	
Attorney Docket No.	MS1 1811US

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 12-0769 Deposit Account Name: Lee & Hayes, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
_____ - 20 or HP = _____	x _____	50	= _____			
HP = highest number of total claims paid for, if greater than 20						
_____ Indep. Claims	_____ Extra Claims	_____ Fee (\$)	_____ Fee Paid (\$)			
_____ - 3 or HP = _____	x _____	200	= _____			
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount) Fees Paid (\$)

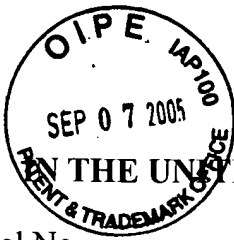
Other: _____

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	40559	Telephone	(509) 324-9256
Name (Print/Type)	Kasey C. Christie	Date	9-2-05		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



1 THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Serial No. 10/764,345

3 Filing Date 1/23/2004

4 Confirmation No. 5777

5 Inventorship Tie Liu

6 Applicant Microsoft Corporation

7 Group Art Unit

8 Examiner

9 Attorney's Docket No. MS1-1811US

10 Title: Watermarking via Quantization of Rational Statistics of Regions

11 **INFORMATION DISCLOSURE STATEMENT**

12 *References -- See Attached Form PTO-1449*

13 **REMARKS**

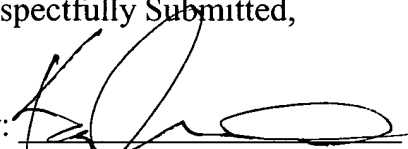
14 The citations listed, copies attached, are submitted in compliance with the

15 duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make

16 these citations of official record in this application.

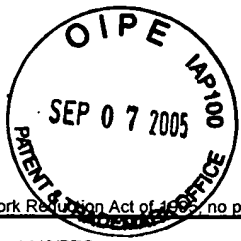
17 Respectfully Submitted,

18 Date: 9-2-05

19 By: 

20 Kasey C. Christie

21 Reg. No. 40559



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>	<p style="text-align: center;">Complete if Known</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>10/764,345</td></tr> <tr><td>Filing Date</td><td>1/23/2004</td></tr> <tr><td>First Named Inventor</td><td>Tie Liu</td></tr> <tr><td>Art Unit</td><td></td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Attorney Docket Number</td><td>MS1 1811US</td></tr> </table>	Application Number	10/764,345	Filing Date	1/23/2004	First Named Inventor	Tie Liu	Art Unit		Examiner Name		Attorney Docket Number	MS1 1811US
Application Number	10/764,345												
Filing Date	1/23/2004												
First Named Inventor	Tie Liu												
Art Unit													
Examiner Name													
Attorney Docket Number	MS1 1811US												
Sheet 1 of 2													

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 20020126872	9/12/2002	Brunk, Hugh L.; et	
		US- 5802518	9/1/1998	Karaev et al.	
		US- 6522767	2/18/2003	Moskowitz et al.	
		US- 6532541	3/11/2003	Chang, et al.	
		US- 6625295	9/23/2003	Wolfgang, et al.	
		US- 6647128	11/11/2003	Rhoads	
		US- 6674861	1/6/2004	Xu, et al.	
		US- 6701014	3/2/2004	Syeda-Mahmood	
		US- 6768809	7/27/2004	Rhoads, et al.	
		US- 6799158	9/28/2004	Fischer, et al.	
		US- 6839673	1/4/2005	Choi, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	Date Considered	
--------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/764,345
		Filing Date	1/23/2004
		First Named Inventor	Tie Liu
		Art Unit	
Examiner Name			
Sheet 2	of 2	Attorney Docket Number	MS1 1811US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Kesal, et al., "Iteratively Decodable Codes for Watermarking Applications" Proceedings of the Second Symposium on Turbo Codes and Their Applications France September 2000 4 pages.	
		Lin et al., "A Robust Image Authentication Method Distinguishing JPEG Compression from Malicious Manipulation", IEEE Transactions, Feb. 2001, Volume 11, No. 2, pp. 153-168	
		Schneider et al., "A Robust Content Based Digital Signature for Image Authentication", Proceedings, International Conference, Sept. 1996, Vol. 3, pp. 227-230	
		M. D. Swanson, B. Zhu and B. Chau, "Object based transparent video watermarking," Proceedings of IEEE Signal Processing Society 1997 Workshop on Multimedia Signal Processing, June 23 - 25, 1997, Princeton, New Jersey, USA.	
		M. K. Mihçak and R. Venkatesan, "A tool for robust audio information hiding: A perceptual audio hashing algorithm," submitted to Workshop on Information Hiding, Pittsburgh, PA, 2001.	
		T. Kalker and J. Haitsma, "Efficient detection of a spatial spread-spectrum watermark in MPEG video streams," Proc. IEEE ICIP, Vancouver, Canada, September 2000.	
		F. A. P. Petitcolas and R. J. Anderson, "Evaluation of copyright marking systems," Proceedings of IEEE Multimedia Systems'99, vol. 1, pp. 574-579, 7-11 June 1999, Florence, Italy.	
		I. J. Cox, J. Killian, T. Leighton, and T. Shamoon, "A secure robust watermark for multimedia," Information Hiding Workshop, University of Cambridge, pp. 185-206, 1996.	
		J. Dittman, M. Stabenau and R. Steinmetz, "Robust MPEG video watermarking technologies," Proceedings of ACM Multimedia '98, The 6th ACM International Multimedia Conference, Bristol, England, pp. 71-80.	
		B. Chen and G. W. Wornell, "Digital watermarking and information embedding using dither modulation," Proc. IEEE Workshop on Multimedia Signal Processing, Redondo Beach, CA, pp. 273-278, Dec. 1998.	

Examiner Signature	Date Considered	
--------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.